

IN THE CLAIMS:

Please cancel claims 29-33 without prejudice to pursuit in a divisional application.

Please replace claims 1, 11, 22, 28, 34, and 39 with the following amended claims:

1. (Amended) An implant, comprising:
a body portion positionable in the disc space between adjacent upper and lower vertebrae;
an upper member extending from said body portion and configured to extend along the body of said upper vertebra; and
a lower member extending from said body portion and configured to extend along the body of said lower vertebra, wherein said body portion, said upper member, and said lower member are each made from bone material.

11. (Amended) An implant, comprising:
a bone body extending between a first bearing surface and a second bearing surface; and
an upper bone member extending from said body in a first direction and a lower bone member extending from said body in a second direction opposite said first direction, wherein said upper and lower bone members are at least partially demineralized and are configured to extend along an upper vertebral body and a lower vertebral body, respectively, when said bone body is positioned in a space between the upper vertebral body and the lower vertebral body.

22. (Amended) A method of preparing a bone implant, comprising:
providing a rigid bone segment having a body portion with an upper bearing surface and an opposite lower bearing surface, said rigid bone segment further including an upper flange member and an opposite lower flange member each extending from said body portion; and

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at least partially demineralizing the upper and lower flange members to create a flexible upper flange member and a flexible lower flange member extending from the rigid body portion, wherein said upper and lower flange members are configured to extend along an upper vertebral body and a lower vertebral body, respectively, when said body portion is positioned in a space between the upper vertebral body and the lower vertebral body.

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28. (Amended) The method of claim 22, wherein the implant is formed from a single segment of bone.

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34 (Amended) A method of preparing a bone implant, comprising:
obtaining a rigid bone segment; and
forming from said rigid bone segment an implant having a body portion with an upper bearing surface and opposite lower bearing surface, said rigid bone segment further including an upper flange member and an opposite lower flange member each extending from said body portion, wherein said upper and lower flange members are configured to extend along an upper vertebral body and a lower vertebral body, respectively, when said body portion is positioned in a space between the upper vertebral body and the lower vertebral body.

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34 *29* (Amended) The method of claim *34*, wherein the implant is formed from a single segment of bone.